

**WHAT IS CLAIMED IS:**

1. A loudspeaker system, comprising a virtual acoustic  
5 radial transmission line, a tuned port, at least one  
waveguide, a right angle waveguide, a reactive element, and a  
dynamic driver, whereby the sub-bass frequency response is  
improved.
- 10 2. A virtual acoustic radial transmission line,  
comprising a right angle wave guide and flat panel members,  
whereby the transmission line improves the low frequency  
response of a bass-reflex loudspeaker.
- 15 3. A virtual acoustic radial transmission line for  
improving the lower frequency response of a loudspeaker, the  
transmission line comprising a right angle wave guide, one or  
more flat panel members and a baffle board, whereby at least  
one flat panel member is of approximate dimension to the  
20 baffle board.